

**ASX ANNOUNCEMENT**

20 October 2016

**LITHIUM-ION BATTERY PHYSICAL & E-CHEMICAL SUITABILITY TESTS**



**HIGHLIGHTS**

- Further independent expert laboratory testing confirms Mount Dromedary Graphite concentrate is suitable for Lithium-Ion battery applications
- Mount Dromedary graphite concentrate confirmed to have both high purity and high reversible capacity in battery-application testing<sup>1</sup>

**Graphitecorp Limited (ASX: GRA)** (“Graphitecorp” or “the Company”) is pleased to report the results from initial lithium-ion battery (LIB) physical and electrochemical suitability tests performed during September and October on base concentrate samples produced from our Mount Dromedary graphite deposit, in Queensland, Australia.

**RESULTS:**

Sample: 250g sample of -200 mesh natural flake graphite concentrate.

Flake Size (mesh)	Particle Size (mm)	Tap Density (g/cc)	LOI - Ash Content (% Carbon)	BET SA (Grnd - 635) (m2/g)	Rev Capacity (mAh/g)
100X200	0.150 - 0.075	0.48	97.8	6.55	366
200X400	0.075 - 0.037	0.45	97.53	6.01	375
400X635	0.037 - 0.020	0.41	96.95	6.95	371
-635	-0.02	0.4	93.99	6.33	351

<sup>1</sup>1. Results relate to tests performed on basic concentrate produced from simple flotation and no subsequent purification or particle modification has been performed, and  
2. Tests have been performed by an independent overseas expert laboratory (name withheld for commercial reasons),

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### CONCLUSIONS:

These initial independent tests have confirmed that concentrate produced from our deposit at Mount Dromedary in Queensland Australia has high purity, good electrochemistry with high reversible capacity, and is, most importantly, well suited for LIB applications.

Based on these results the company is scoping next phase of development work relating to supply of graphite products for LIB applications and continue discussions with potential customers and intermediaries.

### FOR FURTHER INFORMATION

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## ABOUT GRAPHITECORP

**Graphitecorp** (ASX: GRA) is a developer of one of the highest-grade flake graphite deposits in the world, located in Australia, and referred to as the Mount Dromedary Project.

Given strong project fundamentals and positive demand outlook for specialised graphite products, Graphitecorp is progressing a feasibility study with its joint venture partner Washington H. Soul Pattinson and Company Limited (ASX: SOL) subsidiary Exco Resources Limited, to assess the economic opportunity of establishing a business to mine, process, manufacture and market high quality graphite products into Asian and other global markets.

Graphitecorp aims to become a leading alternate, competitive, secure and sustainable graphite supplier in the Asia-Pacific region.

For more information on Graphitecorp please visit our website at [www.graphitecorp.com.au](http://www.graphitecorp.com.au)



**Containerised Ocean Transport Possibilities: Port of Brisbane and/or Townsville to Potential Asian, West Coast USA & European Graphite Users**

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